

**TENDER NOTICE**

**UGC-MMTTC, Kariavattom - Supply, Installation, Testing and Commissioning of Latest Model 2.0 Ton and 1.5 Ton BEE 5-Star rating Energy Efficient Split type Inverter Air-Conditioner (Copper Condenser) with 5KVA Stabilizer and Accessories – reg.**

Sealed and Competitive Tenders are invited from reputed and original equipment manufacturers/authorized dealers/firms and distributors, **with in Kerala**, for the **Supply, Installation, Testing and Commissioning of Latest Model 2.0 Ton – 4 Nos. (Four) and 1.5 Ton- 2 Nos.(Two) BEE 5-Star rating Energy Efficient Split type Inverter Air-Conditioner (Copper Condenser) with 5KVA Voltage Stabiliser & accessories**, to be installed at the Class rooms of MMTTC, University of Kerala, Kariavattom campus, TVPM-695581.

The Tender should be submitted in a sealed envelope superscribed as “**Supply, Installation, Testing and Commissioning of Latest Model 2.0 Ton and 1.5 Ton BEE 5-Star rating Energy Efficient Split type Inverter Air-Conditioner (Copper Condenser) with 5KVA Voltage Stabiliser & accessories.**” addressed to the Programme Director, MMTTC, University of Kerala, Kariavattom campus-695581. The sealed envelope should have contact details such as Name, Address, Telephone/Mobile No. and e-mail indicated on the bottom left side of the cover. The Tender shall reach this office **on or before 02-11-2024 by 04.00 p.m.**

Tender forms can be downloaded from the website of the University of Kerala [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in) . The cost of Tender form and Earnest Money Deposit (EMD) should be submitted as Demand Draft (DD) issued from a Nationalised and scheduled Commercial Banks, drawn in the favour of the Programme-Director, UGC-MMTTC, Kariavattom, as described below:-

Cost of Tender form	Rs. 944/- (Rs. 800/- + GST)
Earnest Money Deposit (EMD)	Rs 3,920/-

The cost of Tender Form will not be refunded and the separate DD towards the cost of the Tender Form and the EMD should be submitted. For more details please log on to [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in)

## Specification of the Air Conditioners

<b>Air-Conditioners</b>		
1.	5 KVA Voltage Stabilizer – 6 Numbers	Supply of 5KVA Voltage Stabilizer for split AC unit with voltage range of 140-280V Stabilizer with low and high voltage cut off, Intelligent Time Delay, Thermal Overloaded Protection, Micro-controlled Circuitry, Digital Display, Fire-retardant ABS Plastic Body, Wall Mountable Cabinet Design with 3 months replacement warranty and 3 years on site warranty (Preferred Brands:- V-Guard, Crompton, Microtek)
2.	2.0 TR BEE 5 Star Inverter Highwall Split Air-Conditioner – 4 Numbers	Supply , installation, testing and_commissioning of fully charged (top.-up as per site requirement) - 2.0TR, BEE Five Star Rated, High Wall Split Air-Conditioning unit (suitable for Commercial/Industrial use) fitted with variable Frequency Drive Inverter compressor (Dual Inverter or equivalent) operating on either R32/R290 refrigerants, complete-with indoor and out door units comprising of blowers, motors, bluefin/gold fin copper cooling tube coil and bluefin/gold fin copper condenser tube coil. The machine should be high wall mounter capable of Dust filtering, cooling, dehumidifying, air circulating. The package shall have microprocessor control with cordless remote, refrigerant, electric cable of ISI mark interconnected control cable ( <a href="#">2.5sq.mm</a> or suitable size) from indoor to outdoor units, copper pipe and thermal insulation up to 3.5 M with 13mm nitrile rubber insulation, with UV proofing, heavy duty PVC drain pipe, and unit should be suitable for long copper pipe length more than 20 Mtr (distance between outdoor & unit) as required with two year on-site warranty and free service in every three months during warranty period, minimum 5 year compressor warranty, PCB replacement guarantee for first two years and warranty for minimum 5 years. Make: - General, Hitachi, Daikin, Mitsubhi, Voltas, Carrier, Panasonic
3.	Metallic Mount for ODC – 6 Numbers	Supply and Installation of powder coated/stove enamelled metallic mount for wall mounting of out door unit of Air-Condtioner with required number of anchor bolts, vibration isolators and non slip foundation bolts of suitable size of ODU.
4.	Refrigerant Gas – R32 / R410A – 0.5 kg.	Supply of virgin R32 Gas at sie for top up.
		Supply , installation, testing and_commissioning of fully charged (top.-up as per site requirement) – 1.5 TR, BEE Five Star Rated, High Wall Split Air-Conditioning unit (suitable for Commercial/Industrial use) fitted with variable Frequency Drive Inverter compressor (Dual Inverter or equivalent) operating on either R32/R290 refrigerants, complete-with indoor and out door units comprising of blowers, motors, bluefin/gold fin copper cooling tube coil and bluefin/gold fin copper condenser

5.	1.5 TR BEE 5 Star Inverter Air-Conditioner – 2 Numbers	tube coil. The machine should be high wall mounter capable of Dust filtering, cooling, dehumidifying, air circulating. The package shall have microprocessor control with cordless remote, refrigerant, electric cable of ISI mark interconnected control cable ( <u>2.5sq.mm</u> or suitable size) from indoor to outdoor units, copper pipe and thermal insulation up to 3.5 M with 13mm nitrile rubber insulation, with UV proofing, heavy duty PVC drain pipe, and unit should be suitable for long copper pipe length more than 20 Mtr (distance between outdoor & unit) as required with two year on-site warranty and free service in every three months during warranty period, minimum 5 year compressor warranty, PCB replacement guarantee for first two years and warranty for minimum 5 years. Make: - General, Hitachi, Daikin, Mitusubhi, Voltas, Carrier, Panasonic
<b>2. Drain Piping</b>		
1.	PVC Pipe fittings – 30 metre	Providing and fixing PVC pipes, fittings including fixing the pipe with claps at 1.00 metre spacing. This includes joining of pipes and fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 20mm dia 12Kgf/cm2 – Internal work – Exposed on wall.
<b>3. Electrical</b>		
1.	4 core 2.50 sq mm – 15 metre	Supply and drawing the following sizes of multi-core PVC insulated and FRLS PVC sheathed 650/1100V grade copper conductor round flexible cables confirming to IS 694 part I 1960in the existing surface/recess conduit as required including giving necessary connections of the following sizes. 4 core 2.50 sq mm.
2.	16A 3 Pin Plug Top – 6 Numbers	Supply and fixing the modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 16A 3 Pin Plug Top

## **General Terms and Conditions:**

1. Quotation received after due date and time shall not be considered.
2. The rates quoted should be inclusive of all **taxes (rates or duties), packing, installation and all other incidental charges.**
3. The Bidders/ representatives of the bidders on their willingness may visit the office to make themselves familiar to the site and work to be carried out before submitting their Tenders.
4. The Bidders should conduct in their own due diligence, investigation and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessment, statement and information contained in this tender and obtain independent advice from appropriate sources.
5. The Bidders are required to complete and submit **“Annexures –A & B” along with the duly filled in tender form, compliance statement and Schedule of Materials**

### **6. Delivery and Installation (Work Completion):**

- (a) Approved brands such as **Mitsubishi / General /Hitachi /Voltas / Panasonic / Carrier/Daikin** with minimum **02 year on-site** warranty and free service in every **three months** during warranty period on machine and minimum **5 years** warranty on compressor, PCB replacement guarantee for first **two years** and warranty for minimum **5 years**.
  - (b) The Bidder should ensure that above mentioned brand’s latest model **2.0 Ton & 1.5 Ton BEE 5-Star rating Split type Inverter Air-Conditioner with copper condenser, 5KVA Voltage Stabiliser, Metallic mount and accessories mentioned in the specification** are delivered and installed **within 15 days** from the date of receipt of Work Order.
7. **Validity:** The rates given in the tender should be kept open for acceptance up to **180 days** from the due date.
8. **1.Payment:** payment will be made by cheque / bank transfer after satisfactory completion of delivery and installation of the air-conditioner.
2. The payment will be released only after the successful installation on the basis of Inspection Report from the competent authority of University of Kerala.
9. **Each page of this tender document is to be duly signed by the bidder as token of unconditional acceptance of terms and conditions.**
10. The undersigned reserves the right to reject/accept any Tender without assigning any reason.
11. Compliance Statement & schedule of materials should be submitted that includes all parametres as in specification, as detailed in Tender Document.

**10. The date of opening the tender is 04-11-2024, 11.00 a.m**

**UGC – MMTTC, University of Kerala, Kariavattom.**

**Supply, Installation, Testing and Commissioning of Latest Model 2.0 Ton – 4 Nos. & 1.5 Ton – 2 Nos.  
BEE 5-Star rating Split type Inverter Air-Conditioner with Copper Condenser, 5KVA Stabilizer – 6 Nos.  
& Metallic Mount – 6 Nos.**

**“Annexure – A”**

Name of the Firm	
Address with Mobile No. and e-mail ID	
PAN No.(Attach copy of PAN card) mandatory	
GST Registration Details	
Bank A/c details with IFSc code and Address of your firm /company	A/c No:  IFSC code:  MICR Code:

**“Annexure – B”**

**FORM OF TENDER**

From

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To

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Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by the University of Kerala, Thiruvananthapuram at the rates quoted against each item. The articles will be delivered within the time and at the place specified in the schedule.

Yours faithfully (Signature)

.....

(Address).....

Date: .....

Important: This tender form may be printed on A4 size paper. Editing of the pre- printed text in the tender form in any way other than as indicated (like ticking, filling in with ink/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.

## GENERAL CONDITIONS

Sealed tenders are invited for the supply and installation of the materials as specified in schedule attached below.

1. The tenders should be addressed to the Programme Director, UGC-MMTTC, Kariavattom Campus University of Kerala in a sealed cover with the tender number and name – **“Supply, Installation, Testing and Commissioning of Latest Model 2.0 Ton and 1.5 Ton BEE 5-Star rating Energy Efficient Split type Inverter Air-Conditioner (Copper Condenser) with 5KVA Voltage Stabiliser & accessories”** duly superscribed on the cover.
2. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection.
3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on or before the due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.
4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of ₹3,920. The amount may be paid by remitting as Demand Draft (DD) drawn in favour of the Programme-Director, UGC-MMTTC, Kariavattom, as described in the tender notification. Cheques will not be accepted. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled.  
  
(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit, the registration number assigned to them by the Stores Purchase Department. Attested copy of registration certificate may be enclosed with the tender for reference.  
  
(c) Micro, Small & Medium Enterprises and Cottage Industries and Industrial co-operatives within the State which are certified as such by the Director of Industries and commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them. The Khadi and village Industries Co-operative Societies and the institutions registered under the Literary, Scientific and Charitable Societies Act and financed by the Kerala Khadi and Village Industries Board within that State which are certified as such by the Secretary, Kerala Khadi Village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them. Government Institutions/State Public Sector Industries which manufacture and supply stores will also be exempted from furnishing earnest money for tenders submitted by them. Attested copy of the same may be enclosed with the tender for the exemption of earnest money.  
  
(d) In the matter of purchase of stores by the State Government Departments, Small Scale Industrial Units sponsored by the National Small Scale Industries Corporation Limited, New Delhi and in respect of which competency certificates are issued by the Corporation will be exempted from payment of Earnest Money Deposits. Attested copy of the same may be enclosed with the tender for the exemption of earnest money.

5. The tenders will be opened on the appointed day and time in the office of the Programme-Director, MMTTC, Kariavattom, in the presence of such of those tenderers or their nominees who may be present at that time.
6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to University of Kerala or such action taken against him as the University think fit.
7. Tenderers shall invariably specify in their tenders the delivery date and the time for the supply of tendered articles, as per the tender notification.
8. The final acceptance of the tenders rest entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.
9. In the case of materials of technical nature the successful tenderer should be prepared to guarantee satisfactory performance for warranty period.
10. In cases where a successful tenderer, after having made partial supplies, fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Registrar, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the University shall thereby, together with such sums as may be fixed by the University towards damages, be recovered from the defaulting tenderer.
11. Payments will be made only after the supplies are actually verified and taken to stock. The firms will produce stamped pre-receipt for releasing the payment, after the satisfactory supply/installation of the items at our site.
12. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Registrar who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recession. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.
13. The tenderer shall undertake to supply materials according to the standard sample and/ or specifications mentioned in the Tender Document.
14. No representation for enhancement of rates once accepted will be considered.
15. Any attempt on the part of the tenderers or their agents to influence the University in their favour by personal canvassing with the officers concerned will disqualify the tenderers.
16. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of earnest money in the even of default in supplies or failure to supply within the stipulated period.



### **Schedule of Materials**

Sl. no.	Item Name	Quantity	Rate (including all charges except GST)	Total Rate (Qty x Rate)	GST Rate (%)	GST Amount	Total amount (Total rate + GST)	Remarks
1.	5 KVA Voltage Stabilizer	6 numbers						
2.	2.0 TR BEE 5 Star Inverter Highwall Split Air-Conditioner	4 numbers						
3.	Metallic Mount for ODC	6 numbers						
4.	Refrigerant Gas – R32 / R410A	0.5 kg						
5.	1.5 TR BEE 5 Star Inverter Highwall Split Air-Conditioner	2 numbers						
6.	PVC Pipe fittings	30 metre						
7.	4 core 2.50 sq mm	15 metre						
8.	16A 3 Pin Plug Top	6 numbers						

### **General Tender Terms & Conditions for technical verification**

1. Tenderers who are blacklisted by State / Central Government departments and organizations are not eligible to participate in this tender and such tender will be summarily rejected.
- 2 . Compliance Statement should be submitted separately that includes all parameters including Make and Model of the quoted item, as in specification.
3. Detailed equipment data sheet should be submitted.
4. All the items must have a warranty period, as mentioned in the specification.

## Technical Specification and Compliance Statement

<b>Air-Conditioners</b>			
<b>Description</b>			
<b>Parameters</b>	<b>Specification</b>	<b>Compliance (Yes/No)</b>	<b>Remarks</b>
1.	5 KVA Voltage Stabilizer – 6 Numbers	Supply of 5KVA Voltage Stabilizer for split AC unit with voltage range of 140-280V Stabilizer with low and high voltage cut off, Intelligent Time Delay, Thermal Overloaded Protection, Micro-controlled Circuitry, Digital Display, Fire-retardant ABS Plastic Body, Wall Mountable Cabinet Design with 3 months replacement warranty and 3 years on site warranty (Preferred Brands:- V-Guard, Crompton, Microtek	
<b>Specify Make &amp; Model:-</b>			
2.	2.0 TR BEE 5 Star Inverter Highwall Split Air-Conditioner – 4 Numbers	Supply , installation, testing and_ commissioning of fully charged (top.-up as per site requirement) - 2.0TR, BEE Five Star Rated, High Wall Split Air-Conditioning unit (suitable for Commercial/Industrial use) fitted with variable Frequency Drive Inverter compressor (Dual Inverter or equivalent) operating on either R32/R290 refrigerants, complete-with indoor and out door units comprising of blowers, motors, bluefin/gold fin copper cooling tube coil and bluefin/gold fin copper condenser tube coil. The machine should be high wall mounter capable of Dust filtering, cooling, dehumidifying, air circulating. The package shall have microprocessor control with cordless remote, refrigerant, electric cable of ISI mark interconnected control cable ( <a href="#">2.5sq.mm</a> or suitable size) from indoor to outdoor units, copper pipe and thermal insulation up to 3.5 M with 13mm nitrile rubber insulation, with UV proofing, heavy duty PVC drain pipe, and unit should be suitable for long copper pipe length more than 20 Mtr (distance between outdoor & unit) as required with two year on-site warranty and free service in every three months during warranty period, minimum 5 year compressor warranty, PCB replacement guarantee for first two years and warranty for minimum 5 years. Make: - General, Hitachi, Daikin, Mitusubhi, Voltas, Carrier, Panasonic	
<b>Specify Make &amp; Model:-</b>			
3.	Metallic Mount for ODC – 6 Numbers	Supply and Installation of powder coated/stove enamelled metallic mount for wall mounting of out door unit of Air-Conditioner with required number of anchor bolts, vibration isolators and non slip foundation bolts of suitable size of ODU.	
4.	Refrigerant Gas – R32 / R410A – 0.5 kg.	Supply of virgin R32 Gas at site for top up.	

5.	1.5 TR BEE 5 Star Inverter Air-Conditioner – 2 Numbers	Supply , installation, testing and_commissioning of fully charged (top.-up as per site requirement) – 1.5TR, BEE Five Star Rated, High Wall Split Air-Conditioning unit (suitable for Commercial/Industrial use) fitted with variable Frequency Drive Inverter compressor (Dual Inverter or equivalent) operating on either R32/R290 refrigerants, complete-with indoor and out door units comprising of blowers, motors, bluefin/gold fin copper cooling tube coil and bluefin/gold fin copper condenser tube coil. The machine should be high wall mounter capable of Dust filtering, cooling, dehumidifying, air circulating. The package shall have microprocessor control with cordless remote, refrigerant, electric cable of ISI mark interconnected control cable ( <u>2.5sq.mm</u> or suitable size) from indoor to outdoor units, copper pipe and thermal insulation up to 3.5 M with 13mm nitrile rubber insulation, with UV proofing, heavy duty PVC drain pipe, and unit should be suitable for long copper pipe length more than 20 Mtr (distance between outdoor & unit) as required with two year on-site warranty and free service in every three months during warranty period, minimum 5 year compressor warranty, PCB replacement guarantee for first two years and warranty for minimum 5 years. Make: - General, Hitachi, Daikin, Mitusubhi, Voltas, Carrier, Panasonic		
<b>Specify Make &amp; Model :-</b>				
<b>2. Drain Pipe</b>				
1.	PVC Pipe fittings – 30 metre	Providing and fixing PVC pipes, fittings including fixing the pipe with claps at 1.00 metre spacing. This includes joining of pipes and fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 20mm dia 12Kgf/cm2 – Internal work – Exposed on wall.		
<b>3. Electrical</b>				
1.	4 core 2.50 sq mm – 15 metre	Supply and drawing the following sizes of multi-core PVC insulated and FRLS PVC sheathed 650/1100V grade copper conductor round flexible cables confirming to IS 694 part I 1960in the existing surface/recess conduit as required including giving necessary connections of the following sizes. 4 core 2.50 sq mm.		
2.	16A 3 Pin Plug Top – 6 Numbers	Supply and fixing the modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 16A 3 Pin Plug Top		

## Terms & Conditions

1. The Tenderer shall quote price in clear terms. The rates quoted must be inclusive of all taxes, cost of supply at site, warranty and installation charges etc...
2. The price should be quoted only in Indian rupees. The tender shall be typed and signed by the Tenderer.
3. All the documents mentioned shall be submitted without fail.
4. All the documents must be typed and clear.
5. Detailed specifications of the items together with quantity required are available within the schedule of Materials/Compliance appended to the tender notification/tender document.
6. **Validity:-** The tender will be valid for 180 days from its date of opening. Further extension can be done by mutual consent.
7. **Delivery :-** The item should be delivered at the UGC-MMTTC, University of Kerala, Kariavattom, Trivandrum
8. **Installation :-** The items shall be installed at the office UGC-MMTTC, University of Kerala, Kariavattom, Trivandrum
9. **Period of Completion:-** The supply and installation shall be completed within a period 15 days from date of placing the Supply Order.
10. **Payment:** - The full payment will be made only after successful completion of the supply and the installation of items and advance payment will not be allowed under any circumstances. No part payments shall be made.
11. Complaints if any with the items supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.
12. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
13. General rules relating to purchase of materials/equipment will also applicable to this tender.



**Programme - Director**

**UGC-MMTTC**